The Commonwealth of Massachusetts

DEPARTMENT OF EDUCATION

STATE COLLEGE AT WORCESTER

Fall—1963

Program of Continuing Studies

Beginning September 16, 1963

UNDER THE AUSPICES OF

DIVISION OF STATE COLLEGES

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EXTENSION FACULTY

CORNELIUS S. DONOGHUE, A.B., A.M., Director of Continuing Studies

JOHN F. EAGER, B.S., Ed.M., Associate Director of Continuing Studies

ELIZABETH R. BARLOW, B.S., Ed.M., Ed.D.

WALTER BUSAM, A.B., A.M., Ph.D.

PAUL DAVIS, B.S., Ed.M.

MARY T. DOLPHIN, B.S., Ed.M.

VERA M. DOWDEN, B.S., Ed.M.

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WILLIAM L. SULLIVAN, A.B., A.M., Ph.D.

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ROBERT E. TODD, A.B., A.M.

THOMAS TODD, B.S., Ed.M.

WILLIAM R. TRACEY, B.S., Ed.M., Ed.D.

FRANCIS G. WALETT, B.S., A.M., Ph.D.

SCHEDULE OF CLASSES

NOTE: Courses carrying undergraduate credit only are numbered in the 700 series; courses carrying both undergraduate and graduate credit are numbered in the 800 series; and courses carrying graduate credit only are numbered in the 900 series. Assistance in selecting and registering in all courses is available in ROOM G-25 (Gymnasium-Library Building), the W.S.C. Office of the Program of Continuing Studies. . . . Worcester 756-5121.

The following courses carry three semester hours of credit:

Monday 4:30-7:15 P.M., beginning September 16, 1963

	Course Number and Title	Instructor	Room No.
F-900	Philosophical Foundations of Education—Part I	Walter Busam	208
F-807	Supervision in Today's Schools—Section A	Elizabeth V. Foster	211
F-834	Institute on Youth Problems	Robert W. Goss	G-23
F-839	United States History—Post Civil War Period	Francis G. Walett	G-26
F-901	Philosophical Foundations of Education—Part II, Section A	Joseph W. Riordan	302
F-809	Tests and Measurements	Ruth V. Somers	309
F-816	Dramatic Interpretation and Direction	Robert E. Todd	105

Tuesday 4:30-7:15 P.M., beginning September 17, 1963

F-817	Language Arts in the Elementary School—Part I	Elizabeth R. Barlow	306
F-814	Introduction to Audio-Visual Methods and Materials	Paul Davis	301
F-835	Art for the Classroom Teacher	Mary T. Dolphin	Art Rm.
F-837	Methods and Materials in Teaching Social Studies	Vera M. Dowden	312
F-913	Organization and Administration of Elementary Schools (School Administration II)	George Joseph	309
F-849	College Algebra	Edmund C. Osborne	103
F-908	Techniques of Counseling (Guidance III)	Joseph C. Scannell	G-26
F-903	Psychological Foundations of Education—Part II, Section A	Joseph A. Shea	G-23

Wednesday 4:30-7:15 P.M., beginning September 18, 1963

F-903	Psychological Foundations of Education—Part II, Section B	Achille A. Joyal	G-23
F-886	Introduction to Reference Sources and Methods	William D. Joyce	G-24
F-902	Psychological Foundations of Education—Part I	Joseph C. Lonergan	312
F-860	Backgrounds of Modern Chemistry—The Chemical-Bond Approach (C.B.A.)	Melvin Merkin	Chem. Lab.
F-828	Geography of Asia	Robert F. Perry	203
F-807	Supervision in Today's Schools—Section B	Helga E. Peterson	211
F-906	Occupational Information (Guidance V)	G. Flint Taylor	G-26

Thursday 4:30-7:15 P.M., beginning September 19, 1963

F-880	Improvement of Instruction	Ruth Griffiths	211
F-901	Philosophical Foundations of Education—Part II, Section B	William K. Masterson	205
F-812	Principles and Practices in Guidance (Guidance I)	Paul J. McCarron	208
F-819	Thought and Literature in the 19th Century	Kathryn R. O'Donnell	G-23
F-906	Research and Evaluation	William L. Sullivan	G-24
F-848	Modern Mathematics for Elementary School Teachers	Thomas Todd	203
F-916	Techniques of Auto-Instructional Programing	William R. Tracey	G-26

GENERAL INFORMATION

The courses announced in this bulletin are offered by the Massachusetts Department of Education in cooperation with the State College at Worcester. The Department of Education reserves the right to cancel any course which does not have a minimum of 20 enrollments.

Both graduate and undergraduate courses are offered. Courses carrying undergraduate credit only are numbered in the 700 series; courses carrying both graduate and undergraduate credit are numbered in the 800 series; courses carrying graduate credit only are numbered in the 900 series.

REGISTRATION

Registration should be made on September 16, 17, 18, 19, and 20 from 3 to 5 P.M. or during the first week of the Fall semester at Worcester State College at Worcester, Massachusetts.

To facilitate course selection, provisions have been made for registration in advance by mail. The registration blank found on the last page should be forwarded to the college immediately. Registration fees must be paid by check or money order to the State College at Worcester. Cash will not be accepted. Assignment to classes which are or will be sectioned will be made in the order of completed registration.

COSTS

1. The tuition fee for residents of Massachusetts is $18.00 per semester hour of credit; for non-residents, $25.00 per semester hour of credit; and for auditors, $11.00 per semester hour.
2. LATE REGISTRATION FEE—(Required of all, including veterans, after the first class meeting) $2.00.
3. Change of Course Fee—Payable for any change of registration after the first class meeting except when a course is cancelled. $2.00.
4. All students in the Fall Semester, including veterans, must pay a $2.50 registration fee. UNDER NO CIRCUMSTANCES WILL ANY OF THE REGISTRATION FEES BE REFUNDED.

VETERANS

Any resident of Massachusetts who has served in any branch of the armed services for at least **90 days,** one of which must have been served either between **September 16, 1940,** and **December 31, 1946,** or between **June 25, 1950,** and **January 31, 1955,** and who has a discharge other than dishonorable may enroll without charge for instruction in any course here offered within the established limitation of 120 semester hours. To establish his eligibility the veteran must present his discharge (or a photostatic copy) or certificate of satis-

factory service in the case of officers, together with proof of residence, in advance of the opening date of class meeting.

Disabled veterans may also take courses without charge. The disabled veteran should obtain a certificate of disability from the United States Veterans Administration and a residence certificate from the Board of Assessors or from the Town or City Clerk establishing either six months' residence prior to entry into service or five years' residence prior to date of application.

CREDIT

Regulations and requirements for degree study may be obtained at the office of the Director of Continuing Studies, State College at Worcester. It is urgently recommended that the guidance and advice of the Director be sought and faithfully followed in planning a program of study. For teachers in service, a maximum of six semester hours credit per semester may be credited toward a degree.

The GRADUATE RECORD EXAMINATION, required of all graduate students, will be conducted at Worcester State College in mid-November 1963. The Bulletin of Information and Application Blanks can be secured at the Director's Office, Room G-25, Gymnasium-Library Building, State College at Worcester, Mass.

The degree of Master of Education is awarded at the State Colleges at Boston, Bridgewater (including Hyannis Summer Session), Fitchburg, Framingham, North Adams, Salem, Westfield, and Worcester. Graduate courses in partial fulfillment of the requirements for this degree may be offered from time to time in the other State Colleges and the Massachusetts College of Art.

The Comprehensive Examination will be conducted on Friday, November 15, 1963, at 4 P.M. Graduate students who will have completed their formal course work in the required areas by the end of January 1964 will be eligible to take it.

Registration for the 1963-64 Spring Session will be conducted from January 20 through 27, 1964, from 3 to 5 P.M. and on the days of the Spring classes, January 27, 28, 29, and 30, 1964. It is anticipated that the following courses will be offered during the Spring Semester.

Philosophical Foundations of Education, Parts I and II
Psychological Foundations of Education, Parts I and II
Research and Evaluation
Guidance I, IV, and VI
Curricular Methods and Materials in Elementary Education
Curricular Methods and Materials in Secondary Education
Supervision
Special Education
Measurement of Intelligence

It is anticipated that courses in the areas of history, geography, and the social studies, physical science, the creative arts, English, and the language arts will be offered.

COURSE DESCRIPTIONS

F-900 Philosophical Foundations of Education—Part I

3 semester hours — Walter Busam

Monday, 4:30-7:15 P.M., beginning September 16, 1963

This course is an historical approach to the study of educational thought and includes an examination of primary educational concepts which have evolved through western thought to the present day. Selections from the great documents in educational thought are studied in relation to the historical period in which they were produced. The student is expected to read and analyze the original contributions of the major educational philosophers.

F-807 Supervision in Today's Schools—Section A

3 semester hours — Elizabeth V. Foster

Monday, 4:30-7:15 P.M., beginning September 16, 1963

This course is designed as an introductory course in supervision for teachers, school administrators, and supervisors at both the elementary and secondary school levels. Significant topics included in the course are: concepts of supervision; principles of supervision; organization for supervision; group process; techniques of supervision; and the evaluation and improvement of instruction, curriculum, and supervisory program. Opportunities will be provided for concentrated study and application of the materials of the course to elementary, secondary, or special subject work.

This course, or its equivalent, is prerequisite for all advanced courses in supervision.

F-834 The Institute on Youth Problems

3 semester hours — Robert W. Goss

Monday, 4:30-7:15 P.M., beginning September 16, 1963

This institute is designed to include an outstanding series of programs showing how elementary and secondary school teachers and administrators can work with community agencies to effect better civic behavior by children and youth. Distinguished representatives of religious faiths, social welfare workers, juvenile court officers, police, and library, radio, and television program directors will participate in presenting a pattern of cooperation and coordination of school and other community agencies in meeting the needs of youth.

This institute is cosponsored with the Division of Civic Education of the State Department of Education.

F-839 United States History, Post Civil War Period "The Rise of American Democracy"

3 semester hours — Francis G. Walett

Monday, 4:30-7:15 P.M., beginning September 16, 1963

The material of this study, drawn from the history of the United States from 1865 to the end of the 20th century, will be focused on the completion of the continental area, the impact of the Industrial Revolution on American life, the waves of immigration and the attendant problems, and the growth of urbanization. Reports, the study of source materials and discussion of interpretive viewpoints will constitute the major assignments for students in this class.

F-901 Philosophical Foundations of Education—Part II, Section A

3 semester hours — Joseph W. Riordan

Monday, 4:30-7:15 P.M., beginning September 16, 1963

This course makes application of the philosophical bases of education to recurrent and contemporary educational issues and problems. Each topic is studied from the viewpoint of each of the major philosophical systems and the related educational concepts in order to determine to what extent a synthesis of viewpoint may be achieved.

F-809 Tests and Measurements

3 semester hours — Ruth V. Somers

Monday, 4:30-7:15 P.M., beginning September 16, 1963

This course considers the nature of measurement, its purpose and value in the learning situation, and the types of measuring techniques to be employed. Attention is given to the development of certain statistical concepts, facility in the selection and use of measuring instruments, and in the interpretation of the data secured.

F-816 Dramatic Interpretation and Direction

3 semester hours — Robert E. Todd

Monday, 4:30-7:15 P.M., beginning September 16, 1963

Students in F-816 will make a thorough study and practice of staging and coaching techniques involved in dramatic presentations. Although designed primarily for those concerned with directing the high school drama program, this course is open to all others interested in utilizing dramatic and oral interpretation as additional classroom techniques. Students will be aided in adapting selected materials for this type of presentation in their own classrooms.

F-817 Language Arts in the Elementary School—Part I

3 semester hours — Elizabeth R. Barlow

Tuesday, 4:30-7:15 P.M., beginning September 17, 1963

The course is designed to acquaint teachers with the functional and creative aspects of oral and written expression in the modern elementary school. Consideration will be given to teaching procedures and learning aids which insure individual growth in language power and to representative courses of study and textbooks which emphasize the functional development of language power in relation to child growth.

F-814 Introduction to Audio-Visual Methods and Materials

3 semester hours — Paul Davis

Tuesday, 4:30-7:15 P.M., beginning September 17, 1963

This is an introductory course for the classroom teacher in the utilization of all types of audio-visual materials for improving instruction. By means of lecture, discussion, and demonstration students will learn the criteria in selection of materials, planning for their use, evaluation of methods, advantages and limitations of various materials, and implications of research. Each class member learns the operation of mechanical equipment as well as sources of audio-visual materials for the various curricula.

F-835 Art for the Classroom Teacher

3 semester hours — Mary T. Dolphin

Tuesday, 4:30-7:15 P.M., beginning September 17, 1963

In this studio workshop students will enrich their experiences in dealing with the art materials, skills and techniques valuable to the classroom teacher. A combination lecture, informal discussion, and activity course will provide individual and group work in such areas as basic drawing, painting, lettering, and modeling. Exhibits, reproductions and slides will be used as enrichment material.

F-837 Methods and Materials in Teaching Social Studies

3 semester hours — Vera M. Dowden

Tuesday, 4:30-7:15 P.M., beginning September 17, 1963

This course is planned specifically to acquaint teachers with the recommendations which have come from Social Studies Research. The objectives of the social studies, selection and organization of materials, techniques of teaching in order to provide for the needs and interests of pupils of varying abilities, and evaluation in social studies will be stressed. Individual and group work in problems of special interest to class members will be part of the course.

F-913 Organization and Administration of Elementary Schools (School Administration II)

3 semester hours — George Joseph

Tuesday, 4:30-7:15 P.M., beginning September 17, 1963

This course will emphasize the many facets of elementary school administration and organization. The role of the principal as an administrator in the larger setting of present day education will be stressed. Specifically, the course will deal with the principal's role in organizing for teaching and learning, administering pupil personnel and special services, and integrating school and community life.

F-849 College Algebra

3 semester hours — Edmund C. Osborne

Tuesday, 4:30-7:15 P.M., beginning September 17, 1963

This course is designed to start at a point most convenient to the members of the class, in all probability with the "solution of quadratic equations." Such advanced topics as: graphs of quadratic equations; graphical solutions of quadratic equations; algebraic solutions of quadratic equations; arithmetic and geometric progressions; mathematical induction; logarithms, complex numbers; theory of equations; inequalities; determinants; permutations and combinations; probability; and infinite series will be covered.

F-908 Techniques of Counseling (Guidance III)

3 semester hours — Joseph C. Scannell

Tuesday, 4:30-7:15 P.M., beginning September 17, 1963

This course is intended for teachers and others interested in guidance. Principles of counseling and application of basic and advanced techniques to the counseling process will be included. Case studies and personal, educational, and vocational problems on the elementary, secondary, and college levels in counselor situations will be presented.

F-903 Psychological Foundations of Education—Part II, Section A

3 semester hours — Joseph A. Shea

Tuesday, 4:30-7:15 P.M., beginning September 17, 1963

This course is an advanced systematic exposition of various psychological principles related to teaching, with a special emphasis on the application of these principles to specific classroom situations. Readings will be required in the areas of: emotional growth, mental health, motivation, discipline, dynamics of interpersonal relationships, social psychology, and adolescent psychology.

F-903 Psychological Foundations of Education—Part II, Section B

3 semester hours — Achille A. Joyal

Wednesday, 4:30-7:15 P.M., beginning September 18, 1963

This course is an advanced systematic exposition of various psychological principles related to teaching, with a special emphasis on the application of these principles to specific classroom situations. Readings will be required in the areas of: emotional growth, mental health, motivation, discipline, dynamics of interpersonal relationships, social psychology, and adolescent psychology.

F-886 Introduction to Reference Sources and Methods

3 semester hours — William D. Joyce

Wednesday, 4:30-7:15 P.M., beginning September 18, 1963

This course covers in detail the content and use of basic reference tools such as atlases, directories, encyclopedias, dictionaries, almanacs, and the card catalog. Class members will use the college library in practical reference problems. This course will satisfy in part the requirements for the public school librarian's certification. Although previous study in such areas as School Library Organization and Administration or Books and Related Materials for Children would be beneficial, they are not prerequisite to F-886.

F-902 Psychological Foundations of Education—Part I

3 semester hours — Joseph C. Lonergan

Wednesday, 4:30-7:15 P.M., beginning September 18, 1963

This course covers the theoretical aspects of psychology for the classroom teacher. It includes a systematic analysis of the major schools of psychology and a study of the effects of heredity and environment. Reading in the following areas will be required: results of research on growth and development, theories of intelligence, concepts in measurement and evaluation, individual differences in capacity and achievement, and learning theory.

F-860 Backgrounds of Modern Chemistry—The Chemical-Bond Approach

3 semester hours — Melvin Merken

Wednesday, 4:30-7:15 P.M., beginning September 18, 1963

After giving the student a general view of the important advances in chemistry during the past fifty years, this course will familiarize teachers with one of the new programs, the Chemical-Bond Approach, in high school chemistry. Its lectures, demonstrations, and laboratory experiments should be of value to all science teachers at all levels.

F-828 Geography of Asia

3 semester hours — Robert F. Perry, Jr.

Wednesday, 4:30-7:15 P.M., beginning September 18, 1963

Asia, the largest of the world's land masses with over seventy-five per cent of the world's people, is undergoing rapid development and change. Because of its size, emphasis will be placed only on the more important regions of conflict. No attempt will be made to analyze and study the continent in its entirety. The Arab-Israeli Dispute, The Middle East Oil Question, The Problem of Southeast Asia are a few of the problems to be discussed in light of their historical and geographical backgrounds.

F-806 Supervision in Today's Schools—Section B

3 semester hours — Helga E. Peterson

Wednesday, 4:30-7:15 P.M., beginning September 18, 1963

This course is designed as an introductory course in supervision for teachers, school administrators, and supervisors at both the elementary and secondary school levels. Significant topics included in the course are: concepts of supervision; principles of supervision; organization for supervision; group process; techniques of supervision; and the evaluation and improvement of instruction, curriculum, and the supervisory program. Opportunities will be provided for concentrated study and application of the materials of the course for elementary, secondary, or special subject work. This course, or its equivalent, is prerequisite for all advanced courses in supervision.

F-906 Occupational Information (Guidance V)

3 semester hours — G. Flint Taylor

Wednesday, 4:30-7:15 P.M., beginning September 18, 1963

This course is designed to help administrators, counselors, and teachers to better meet the needs of youth through complete guidance techniques. The course is organized to help develop competencies in the following areas of Occupational Information: classification and description of jobs and industries, occupational trends in relation to socio-economic changes, collecting information, filing information and evaluating information about occupations and training. Emphasis will be placed upon the using of Occupational Information, with groups and with individuals, in the public school system.

F-880 The Improvement of Instruction

3 semester hours — Ruth Griffiths

Thursday, 4:30-7:15 P.M., beginning September 19, 1963

In this course a study will be made of procedures for de-

veloping growth and strengths in the teaching of school subjects in the elementary and secondary schools. Practical solutions to everyday problems gained from experience will be shared by class members.

F-901 Philosophical Foundations of Education—Part II, Section B

3 semester hours William K. Masterson

Thursday, 4:30-7:15 P.M., beginning September 19, 1963

This course makes application of the philosophical bases of education to recurrent and contemporary educational issues and problems. Each topic is studied from the viewpoint of each of the major philosophical systems and the related educational concepts in order to determine to what extent a synthesis of viewpoint may be achieved.

F-812 Principles and Practices in Guidance (Guidance I)

3 semester hours Paul J. McCarron

Thursday, 4:30-7:15 P.M., beginning September 19, 1963

This is an introductory course designed to provide the student with an understanding of the need, meaning, and scope of guidance services. The principles and practices involved in the following guidance areas will be considered: introduction and philosophy of guidance; understanding the individual and his needs; essential orientation activities for the student; collecting, recording, and evaluating data; interviewing and counseling; guidance through group activities; placement and follow-up activities; organization and evaluation of guidance. The emphasis of the course will be placed upon the role of the classroom teacher in the guidance program.

NOTE: This course or its equivalent is a prerequisite of advanced courses in guidance.

F-819 Thought and Literature in the 19th Century

3 semester hours Kathryn R. O'Donnell

Thursday, 4:30-7:15 P.M., beginning September 19, 1963

In this course students will study critically and appraise the chief intellectual and imaginative interests of the 19th century literary world. Use will be made of Continental and American literary masterpieces. Students will be expected to supplement lectures by special projects and reports.

F-906 Research and Evaluation

3 semester hours William L. Sullivan

Thursday, 4:30-7:15 P.M., beginning September 19, 1963

This course will stress the use of appropriate research methods in the selection and evaluation of data. It is designed to

aid teachers in the preparation and understanding of educational research reports. Points of emphasis will include the nature of research, library techniques and resources, selection and delimitation of problems, documentation, organization and format of a report, appraisal of educational literature, necessary statistical concepts and methods of research. The student will be expected to demonstrate his knowledge of these in a term paper.

F-848 Modern Mathematics for Elementary School Teachers

3 semester hours Thomas Todd

Thursday, 4:30-7:15 P.M., beginning September 19, 1963

This course will develop a working knowledge of the mathematical concepts basic to programs for elementary schools. Selected topics common to the various programs in modern mathematics will be treated in considerable detail to develop the background materials essential for successful teaching. Several of the more widely used programs will be surveyed, and methods of presenting concepts to elementary school children will be emphasized. Some of the topics to be covered are: basic concepts of sets, venn diagrams, arithmetic in bases other than ten, intuitive geometry, inequalities, natural numbers, integers, rational numbers, real numbers, etc.

F-916 Techniques of Auto-Instructional Programing

3 semester hours William R. Tracey

Thursday, 4:30-7:15 P.M., beginning September 19, 1963

This course is designed to develop skill in auto-instructional programing through intensive study of basic programing techniques, analysis of commercial and experimental programs, and supervised practice in the construction of frame sequences. Emphasis will be placed on the study of systems for systematically outlining a knowledge domain, basic types and functions of linear frames, methods of cueing and vanishing, methods of branching in linear programs, and the construction of panels. Unconventional programing approaches and a variety of program formats will also be discussed and illustrated.

REGISTRATION BLANK

Registration blanks should be forwarded immediately, accompanied by check or money order payable to State College at Worcester. No registration is complete without accompanying fee.

Clip and mail to:

MR. CORNELIUS S. DONOGHUE
Director of the Program of Continuing Studies

or

MR. JOHN F. EAGER, Associate Director
Worcester State College
Worcester, Massachusetts

COURSE **CREDITS (check)**

..... B.S.E. ( ) M.Ed. ( ) Other ( )

..... B.S.E. ( ) M.Ed. ( ) Other ( )

..... B.S.E. ( ) M.Ed. ( ) Other ( )

Name .....

Street .....

City or Town .....

Veteran? .....